

Comet Brooks I. (1886).

1886.	Cape		Comet - Star.		No. of Comps.	Obs- ver.	Comet's App. R.A.		Log. (p × Δ)	Comet's App. Decl.	Log. (p × Δ)	Red. to App. Place.	Comp. Star No.
	h	m	s	Δ			h	m				s	
July 5	6	31	14.3	-1 22.96	+3 30.5	6.4	F		9.6810		0.6589 <sub>n</sub>	-0.03	1
6	6	18	46.5	-0 27.10	+3 53.1	16.16	F	8 30 41.86	9.6735	- 9 15 26.1	0.6512 <sub>n</sub>	-0.01	2
7	6	26	17.1	+0 31.60	-2 3.6	20.16	F	8 36 56.66	9.6768	- 9 29 57.7	0.6523 <sub>n</sub>	0.00	3
8	6	33	31.7	+1 3.55	+1 17.6	16.12	F		9.6799		0.6537 <sub>n</sub>	+0.02	4
9	6	30	55.9	+0 1.33	+0 27.2	30.16	F		9.6774		0.6501 <sub>n</sub>	+0.04	5
12	6	48	53.1	-2 29.03	-7 29.3	4.4	F	9 5 15.51	9.6853	-10 27 24.8	0.6552 <sub>n</sub>	+0.10	6
14	6	32	30.5	+1 3.07	-2 6.4	10.8	F	9 15 17.89	9.6755	-10 44 58.6	0.6432 <sub>n</sub>	+0.13	7
	6	32	30.5	-0 46.02	+0 7.7	10.8	F		9.6755		0.6432 <sub>n</sub>	+0.13	8
20	6	39	1.1	+0 54.38	-1 32.0	16.10	F	9 42 9.29	9.6789	-11 26 23.8	0.6417 <sub>n</sub>	+0.22	9
	6	39	1.1	-0 38.05	+1 14.2	16.10	F	9 42 9.21	9.6789	-11 26 29.0	0.6417 <sub>n</sub>	+0.22	10
24	6	49	10.1	+0 33.75	-2 5.2	14.8	F	9 57 40.53	9.6849	-11 47 27.4	0.6461 <sub>n</sub>	+0.27	11
26	6	41	26.3	+1 45.79	+1 16.3	10.8	F	10 4 47.09	9.6815	-11 56 33.8	0.6409 <sub>n</sub>	+0.29	12
28	6	37	15.7	-0 52.36	+1 4.0	8.6	F	10 11 33.04	9.6800	-12 5 7.5	0.6382 <sub>n</sub>	+0.32	13
29	6	41	55.1	+0 19.19	-1 23.9	10.8	F	10 14 50.26	9.6829	-12 9 8.9	0.6411 <sub>n</sub>	+0.33	14
30	6	46	25.4	-1 49.76	-1 57.1	8.8	F	10 18 2.49	9.6861	-12 13 12.5	0.6446 <sub>n</sub>	+0.35	15

Notes.

- July 5. A bright circular mass, about  $\frac{3}{4}$  in diameter, gradually condensed toward the centre.  
12. Hazy sky : observations rough.  
20. A diffused mass without any particular condensation.  
24. Definition bad. A rather faint diffused patch of light : does not admit of very accurate observation.  
29. Faint and ill-defined. A difficult object to observe.  
14. Comet very faint : bright moonlight.  
30. Very faint.

Comet 1886 . . . (Brooks' I.).

Adopted Mean Places of Comparison Stars.

Comp. Star No.	R.A. 1886°.	Declination 1886°.	Authority.
1	<sup>h</sup> 8 <sup>m</sup> 25 ( <sup>s</sup> 42)	— 9 3	S mag.
2	8 31 8.97	— 9 19 7.6	Yarnall 3507.
3	8 36 25.06	— 9 27 42.6	9 mag. Equat. diff. from <i>a</i> .
<i>a</i>	8 37 23.63	— 9 23 49.5	W.B. viii. 942.
4	8 41 (48)	— 9 44	$10\frac{1}{2}$ mag. = $h + 1^m 27^s 40.$ $+ 5' 20'' 9.$
<i>b</i>	8 40 (21)	— 9 49	9 mag.
5	8 49 (7)	— 9 57	$10\frac{1}{2}$ mag. = $c - 2^m 25^s 30.$ $- 1' 49'' 4.$
<i>c</i>	8 51 (32)	— 9 55	9 mag.
6	9 7 44.44	— 10 19 44.1	Santini 1142.
7	9 14 14.69	— 10 42 41.0	Santini 1155.
8	9 16 (3)	— 10 45	9 mag.
9	9 41 14.69	— 11 24 41.1	$\frac{1}{2}$ (Yarnall + Santini).
10	9 42 47.04	— 11 27 32.5	Santini 1199.
11	9 57 6.51	— 11 45 11.9	$10\frac{1}{2}$ mag. diff. from <i>d</i> .
<i>d</i>	10 0 40.92	— 11 51 37.6	$9\frac{1}{2}$ mag. diff. from <i>e</i> .
<i>e</i>	10 1 6.25	— 11 55 5.1	W.B. ix. 1277.
12	10 3 1.01	— 11 57 40.0	$\frac{1}{2}$ (Schj. + diff. from $\lambda$ Hydræ).
13	10 12 25.08	— 12 6 1.7	$9\frac{1}{2}$ mag. diff. from W.B.X. 114 and X. 204.
14	10 14 30.74	— 12 7 35.3	10 mag. diff. from * 13 and Lam. 711.
15	10 19 51.90	— 12 11 5.8	Lamont Z. 711.

Winnecke's Comet.

1886.	Cape Mean Time.	Comet - Star. $\Delta\alpha$	No. of Comps.	Obser- ver.	Comet's App. R.A. h m s	Log. ( $p \times \Delta$ )	Comet's App. Decl. ° ' "	Log. ( $p \times \Delta$ )	Red. to App. Place.	Comp. Star No.
Aug. 19	h m s 8 12 28.8	m s -0 44.77	3.5	F	h m s 13 7 6.07	9.674	- 0 34 2.8	0.690 <sub>n</sub>	+ 0.83	1
20	7 1 49.9	+ 0 50.87	16.12	F	13 10 21.47	9.613	- 1 8 17.8	0.684 <sub>n</sub>	+ 0.84	2
20	7 39 2.0	- 1 10.10	10.8	F	13 10 26.82	9.651	- 1 9 14.0	0.686 <sub>n</sub>	+ 0.85	3
21	7 12 7.4	+ 1 37.91	12.12	F	13 13 50.77	9.626	- 1 45 1.9	0.681 <sub>n</sub>	+ 0.85	4
22	6 47 5.3	+ 0 13.99	12.12	F	13 17	9.595	- 2 21	0.675 <sub>n</sub>	+ 0.87	5
25	7 35 35.4	- 1 18.82	11.8	F	13 28 11.92	9.651	- 4 16 3.0	0.670 <sub>n</sub>	+ 0.92	6
29	7 28 34.7	+ 0 27.69	12.12	F	13 43 9.99	9.648	- 6 53 12.4	0.653 <sub>n</sub>	+ 0.98	7
Sept. 4	7 34 15.1	- 0 35.33	12.12	F	14 7 9.98	9.658	- 11 1 3.0	0.627 <sub>n</sub>	+ 1.02	8
16	7 43 5.3	+ 5 6.4	0.4	F			- 19 41 47.4	0.558 <sub>n</sub>	+ 1.27	9
16	7 49 59.2	+ 1 2.77	3.0	F	15 1 51.61	9.682			+ 1.27	9
17	7 38 19.5	- 1 42.06	16.12	F	15 6 50.35	9.674	- 20 25 11.6	0.544 <sub>n</sub>	+ 1.31	10
18	7 36 44.7	+ 0 46.16	16.12	F	15 11 56.35	9.673	- 21 8 34.7	0.533 <sub>n</sub>	+ 1.31	11
19	7 31 29.1	- 0 9.45	8.8	F	15 17 7.49	9.669	- 21 51 35.9	0.516 <sub>n</sub>	+ 1.34	12
20	7 25 58.0	- 0 1.36	26.12	F	15 22 22.77	9.664	- 22 34 19.7	0.498 <sub>n</sub>	+ 1.36	13
25	7 52 47.7	- 1 50.32	16.12	F	15 50 12.10	9.695	- 26 3 16.4	0.485 <sub>n</sub>	+ 1.47	14
26	7 40 27.8	- 0 51.32	16.12	F	15 55 58.06	9.684	- 26 42 54.9	0.450 <sub>n</sub>	+ 1.49	15
27	9 9 22.4	+ 1 5.14	10.8	F	16 2 14.06	9.739	- 27 24 32.6	0.598 <sub>n</sub>	+ 1.51	16
30	8 50 22.4	+ 0 12.83	16.12	F	16 20 24.50	9.738	- 29 16 36.0	0.541 <sub>n</sub>	+ 1.57	17
Oct. 1	8 32 3.4	- 3 19.3	0.4	F			- 29 51 48.8	0.494 <sub>n</sub>	+ 1.59	18
1	8 41 7.9	+ 1 43.80	3.0	F	16 26 37.56	9.735			+ 1.59	18
15	8 23 40.0	- 0 30.12	12.12	F	18 1 2.38	9.718	- 35 54 33.6	0.257 <sub>n</sub>	+ 1.88	19